

Message Text

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SUBJ: TTBT/PNE NEGOTIATIONS: U.S. STATEMENT AT PLENARY MEETING,
1/30/76 ROUND VI - TTBT/PNE DELEGATION MESSAGE NO. 8

1. FOLLOWING IS U.S. STATEMENT AT 3:15PM PLENARY MEETING,
JANUARY 30, 1976.

BEGIN TEXT.

MR. MINISTER, MAY BRIEF STATEMENT IS BEING OFFERED TO
YOU AS BACKGROUND INFORMATION.

TODAY WE WILL PRESENT TO YOU A GENERAL DESCRIPTION OF
EQUIPMENT WHICH WE ARE USING IN THE U.S. AT THE PRESENT TIME
FOR MAKING SLIFER AND SEISMIC MEASUREMENTS ON U.S. NUCLEAR
EXPLOSIONS.

DURING THE COURSE OF THE LAST YEAR BOTH SIDES HAVE,
FROM TIME TO TIME, DESCRIBED GENERAL TYPES OF EQUIPMENT
THAT MIGHT BE USED FOR VERIFICATION. THESE HAVE BEEN
PRIMARILY FUNCTIONAL DESCRIPTIONS WITH LITTLE EMPHASIS ON
SPECIFIC PIECES OF EQUIPMENT. BOTH SIDES HAVE SAID THAT
THEY HAVE EQUIPMENT FOR MAKING THESE MEASUREMENTS AND
THERE HAS BEEN RECOGNITION THAT, AS TIME GOES ON, IT
SHOULD BE POSSIBLE TO DEVELOP SPECIALIZED PIECES OF
EQUIPMENT WHICH WOULD BE SMALLER AND OTHERWISE MORE
SUITED TO USE IN CONNECTION WITH PNE PROJECTS.

THE SLIFER MEASUREMENT SYSTEM, AS PRESENTLY ASSEMBLED,
IS HOUSED IN A TRAILER EIGHT METERS LONG. IT CONSISTS

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OF THE POWER SUPPLY FOR THE SLIFER OSCILLATOR, TWO

HIGH-SPEED TAPE RECORDERS CAPABLE OF RECORDING THE SIGNALS FROM TEN SLIFER CABLES, AS WELL AS OSCILLOSCOPES, PULSE GENERATORS, VOLTMETERS, INTERVAL COUNTERS, AND OTHER INSTRUMENTS FOR CHECKING AND CALIBRATING THE SLIFER SYSTEM. POWER FOR THIS TRAILER IS PROVIDED BY A PORTABLE DIESEL-GENERATOR. IN ADDITION, FOR PEN PROJECTS THERE MIGHT BE REELS OF COAXIAL CABLE, A SHIPPING NON-TAINE

WITH SPARE PARTS, AND OTHER FIELD EQUIPMENT.

THE SEISMIC NETWORK MEASUREMENT SYSTEM, AS PRESENTLY ASSEMBLED, CONSISTS OF FIELD STATIONS AND A CENTRAL RECORDING STATION WHICH IS ALSO HOUSED IN A TRAILER EIGHT METERS LONG. THIS CENTRAL RECORDING STATION CONTAINS A MULTICHANNEL RADIO RECEIVER, AND THREE TAPE RECORDERS FOR RECEIVING AND RECORDING THE SEISMIC SIGNALS TRANSMITTED BY THE FIELD STATION AS WELL AS OSCILLOSCOPES, SIGNAL GENERATORS, VOLTMETERS, TIME CODE GENERATORS, SPECTRUM ANALYZERS, TIME-SIGNAL RECEIVERS, AND OTHER INSTRUMENTS FOR CHECKING AND CALIBRATING THE SEISMIC SYSTEM. POWER FOR THIS TRAILER IS ALSO PROVIDED BY A PORTABLE DIESEL-GENERATOR. IN ADDITION, FOR PNE PROJECTS, THERE MIGHT BE A SHIPPING CONTAINER WITH SPARE PARTS AND OTHER FIELD EQUIPMENT. EACH FIELD STATION CONSISTS OF BATTERY POWER SUPPLY, A TRANSDUCER THAT IS EMPLACED IN THE SURFACE SOIL, AND A RADIO TRANSMITTER AND ANTENNA FOR RELAYING THE SEISMIC MOTIONS TO THE CENTRAL RECORDING STATION.

WE WOULD BE HAPPY, TO THE DEGREE OUR EXPERTS ARE ABLE, TO DISCUSS ANY QUESTIONS ON THIS MATTER THAT YOU MAY HAVE AT THIS TIME. END TEXT.

STOESSEL

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